

## COMBINED DOT DENSITY AND DOT SIZE MODULATION

Zhen He

Charles A. Bouman

Qian Lin

5 CROSS REFERENCE TO APPENDICES

*8mb*  
*7/1/05*

This application is related to Application *09/648531* ~~Attorney Docket No. 10001606~~ which is incorporated herein by reference in its entirety.

CROSS REFERENCE TO APPENDICES

004280-0645790-082400

10 Appendix A1, which is part of the present disclosure, is an appendix consisting of 8 pages. Appendix A1 lists source code written in C programming language of an illustrative embodiment of the present invention using an eight-bit code to control a printer system having a pulse width modulated laser capability for each printed pixel. Appendix A2, which is part of the present disclosure, is an appendix consisting of 13 pages. Appendix A2 lists the particular coefficients used in

15 the Tone-Dependent Error Diffusion process for the eight-bit code used in accordance with an embodiment of the present invention. Appendix B1, which is part of the present disclosure, is an appendix consisting of 14 pages. Appendix B1 lists source code written in C programming language of an illustrative embodiment of the present invention using a two-bit code to control a printer system having a pulse width

20 modulated laser capability for each printed pixel. Appendix B2, which is part of the present disclosure, is an appendix consisting of 2 pages. Appendix B2 lists source code written in C programming language that is used in conjunction with Appendix B1 for a two-bit code used to control a printer system having a pulse width modulated laser capability for each printed pixel. Appendix B3, which is part of the present

25 disclosure, is an appendix consisting of 22 pages. Appendix B3 lists the particular coefficients used in the Tone-Dependent Error Diffusion process for the two-bit code used in accordance with an embodiment of the present invention.

COPYRIGHT NOTICE

30 A portion of the disclosure of this patent document contains material that is subject to copyright protection. The copyright owner has no objection to the facsimile